

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: April 6, 2005

Inspector: Don Ukers

Location: Norwalk Substation Expansion

Storm/

Rain Event: The areas received between 1.73 and 2.50 inches of precipitation, over 4/1-4/2/05 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> - Following both rainstorms, portions of the silt fence around the inlet were ripped down due to the volume of water. More on site and off site sediment continues to deposit here. Several haybales were placed in the swale but sediment loads were still high. 4/6/05 - Some silt from the minor erosion had been noticeable within the earthen swale and the area will require revegetation in the growing season. A haybale check dam may help prevent sedimentation until vegetation is established. 3/9-3/30/05 - Emergency DOT work continues on the New Canaan Ave bridge (Route 123) adjacent to the site. Areas of the bike path and bank adjacent to the bridge have been disturbed. 3/30-4/6/05 	<ul style="list-style-type: none"> -The silt fence will require repair however with the volume of water received here from the roadway and site, it will likely rip again. 4/6/05 -The haybales were placed but could be staked for additional measure. The better solution is vegetative cover here as soon as possible with the growing season. 4/6/05 - The earthen swale and surrounding area has some minor growth but will likely require additional stabilization in the growing season. 4/6/05 - Work is not associated with the project but is mentioned as a potential source of off-site sediment. Any areas disturbed on site will be restored per DOT. 3/30-4/6/05

Areas of Inspection	Observation	Recommended Action
Foundation construction	<ul style="list-style-type: none"> -The siding and structure of the GIS building continues to be under construction. 3/18-4/6/05 -Some excavation for new footings continue near retaining wall #3 and the control house with new structure work occurring on the footings. 3/23-4/6/05 	<ul style="list-style-type: none"> - None at this time. 4/6/05 - Soil stockpiles are well within the yard and areas are contained, no issues at this time. 4/6/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> -The overflow channel has a significant amount of water and continues to work well with some minor erosion along the slope. 4/6/05. 	<ul style="list-style-type: none"> - Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 4/6/05
	<ul style="list-style-type: none"> - The flared inlet near the Rt 7 ramp is receiving obvious stormwater flows from off site roadway and on site sources. It is apparent that much of the sediment is roadway sand and much of the runoff is from the street based on presence of gullies. The silt fence was ripped down as a result of the recent storms. Haybales were placed but runoff volume is high. 4/6/05 	<ul style="list-style-type: none"> - Continue to monitor until stabilized as the surrounding area is still bare soil. Part of the sedimentation is from offsite street runoff which cannot be controlled by onsite actions. The best solution here is revegetation in the growing season. 4/6/05
	<ul style="list-style-type: none"> - Some excavation and backfill is finishing up in several areas throughout the site. Soil stockpiles are beginning to be removed from site to appropriate locations. 4/6/05 	<ul style="list-style-type: none"> - All stockpiles and excavation areas are well within the site and there are no issues at this time. 4/6/05
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04 	<ul style="list-style-type: none"> -None at this time. Continue to monitor.
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A

Areas of Inspection	Observation	Recommended Action
Vegetative clearing limits (including trees to save or danger trees noted)	-Some plantings along the channel were flagged for damage to see how they survive the winter. 11/18/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/18/04
Dewatering	- No dewatering was noted at this time. 4/6/05	-None at this time. 4/6/05
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	<p>- Clean up efforts at the three areas where leaks were noted last week had been completed and the soil and pads were disposed of. 4/6/05</p> <p>- Smaller drips were noted during this week's inspection at a small dump truck and an excavator parked near retaining wall #1. The soil will be cleaned up and the machinery looked at. 4/6/04</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. -</p> <p>- Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations	- As previously stated, the New Canaan Ave Bridge is also under emergency repair by the DOT. Access is needed through the Norwalk site and some disturbance of the bank and bike path area has occurred. 3/30-4/6/05	- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. All disturbance will be repaired by DOT. 3/30-4/6/05

Next likely scheduled inspection:

Wednesday, April 13, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Don Ukers

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Date: April 6, 2005

Inspector: Don Ukers

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The areas received between 1.73 and 2.50 inches of precipitation, over 4/1-4/2/05 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 4/6/05	- None at this time.
Foundation construction	-The major work of connecting the equipment on the constructed slab to the existing equipment is on-going. 3/23-4/6/05	- The areas are all contained at this time and there is little ongoing work that involves soil disturbance. 4/6/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site are mostly muddy. The perimeter stone berm continues to work well. 4/6/05	-Nothing at this time. 4/6/05
	- There is no silt fence in place at this time, however the stone perimeter berm is well in place and contains the yard even following the heavier rain events and muddy conditions. 4/6/05	-All stockpiles are well-contained and the berm is working well at this time. 4/6/05

Areas of Inspection	Observation	Recommended Action
	- A majority of the soil has been removed to appropriate off-site locations but some will remain on an as needed basis for the remainder of construction. Portions are not covered in plastic but are well within the site. 3/2-4/6/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-4/6/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 4/6/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 4/6/05
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- The only dewatering necessary was to remove rainwater from the complete concrete trench structures around the slab. All water was directed to the traprock as usual. 3/30-4/6/05	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	<p>- No drips or spills were reported for the week or noted during the inspection. 4/6/05</p> <p>- Keep any refueling equipment in the storage shed when it is not in use/ overnight. 4/6/05</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office</p>

Areas of Inspection	Observation	Recommended Action
		immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Wednesday, April 13, 2005

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Inspector's Signature:

Diana Walden for Don Ukers



Norwalk Substation: Overflow Channel continues to work well with additional rains. (4/6/05)



Siding work continues on the GIS Building (4/6/05)



Structure work continues near retaining wall #3 and the control house. (4/6/05)



Drainage swale with haybales at inlet located near the Route #7 ramp. This area should be revegetated as soon as possible (4/6/05)



Plumtree Substation: Internal work continues on the slab. (4/6/05)



View of the yard with the leftover stockpiles. Very little work involving soil disturbance is occurring at this time. (4/6/05)